

Cross-Curriculum Activity 7-2

Math Connection

Directions: Read each situation statement. Then answer the math questions in the space provided.

When a baby is born, there are 300 bones in his or her skeletal system. By the time the baby is an adult, there are 206 bones in the skeletal system because some of them have fused together.

1. What's the difference between the number of bones at birth and the number of bones an adult has? _____

2. There are 27 bones in each human hand. How many hand bones does one person have? _____

3. There are 14 bones in your face. How many fewer bones are in your face than in your left hand? _____

4. How many total bones would 15 adults have? _____

5. If a music room had 7 pianos, and each piano had one person playing a song with both hands, what is the possible number of hand bones moving? _____

6. How many bones does one person have in their face and both hands? _____

Reteaching Activity 7-2

The Skeletal and Muscular Systems

Your skeletal and muscular systems have important jobs to do. Without them, you wouldn't be able to do many of the things you do each day.

Directions: Answer the following questions. Review pages 181–184 in your textbook for ideas.

1. Write down the three main jobs of your muscular system.

a. _____
b. _____
c. _____

2. Explain the difference between a voluntary and involuntary muscle.

3. Give an example of a voluntary muscle.

4. Give an example of an involuntary muscle.

5. List the four types of joints found in your body.

a. _____
b. _____
c. _____
d. _____

Lesson Quiz 7-2

Read each statement carefully. If the statement is true, place a plus (+) in the space provided. If the statement is false, cross out the italicized word(s) and write the correct word(s) in the space provided.

- _____ 1. The *skeletal system* consists of bones and the tissues connecting them.
- _____ 2. Your *knee* is an example of a ball-and-socket joint.
- _____ 3. Some joints, like your *neck*, pivot.
- _____ 4. Skeletal muscles connect to and move your *bones*.
- _____ 5. Cardiac muscles are located only in your *intestines*.
- _____ 6. *Smooth* muscles are found in your internal organs.

Match each definition in the left column with the correct term in the right column. Write the letter of the terms in the space provided.

- _____ 7. muscles that contract and relax on their own
- _____ 8. a type of joint
- _____ 9. strengthens your bones
- _____ 10. muscles you are able to control

- | |
|--|
| a. hinge
b. voluntary
c. calcium
d. involuntary |
|--|

Score (number correct \times 10 points):

Enrichment Activity 7-2

Bones and Muscles Puzzle

Directions: Fill in the blanks with the answers to the clues. Use the words in the boxes to spell out the secret word.

Clues

1. Your bones are made up of living _____ and cells.
2. _____ strengthens your bones.
3. Bones are hard on the outside and _____ in the middle.
4. The places where one bone meets another are _____.
5. _____ muscles are located only in the heart.
6. You are able to control _____ muscles.
7. _____ joints are found in your wrists and ankles.

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____

Secret Word: _____